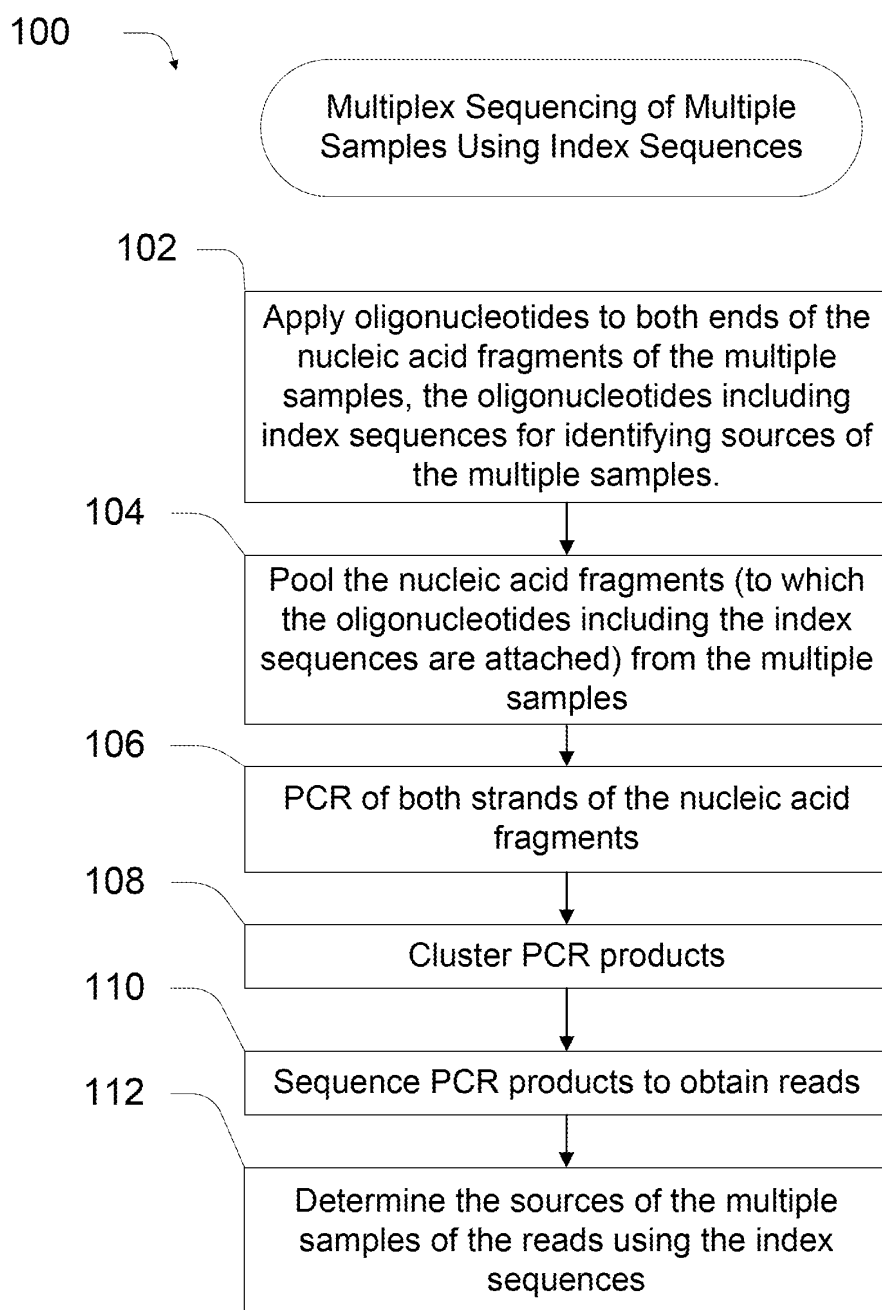
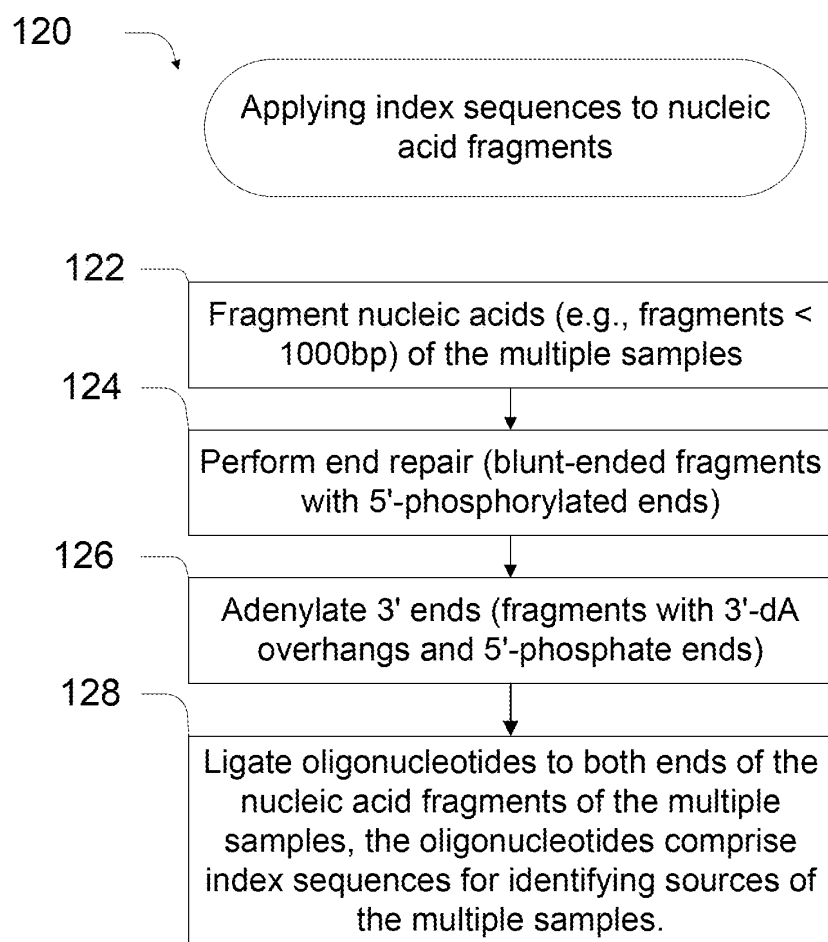


**Figure 1A**

**Figure 1B**

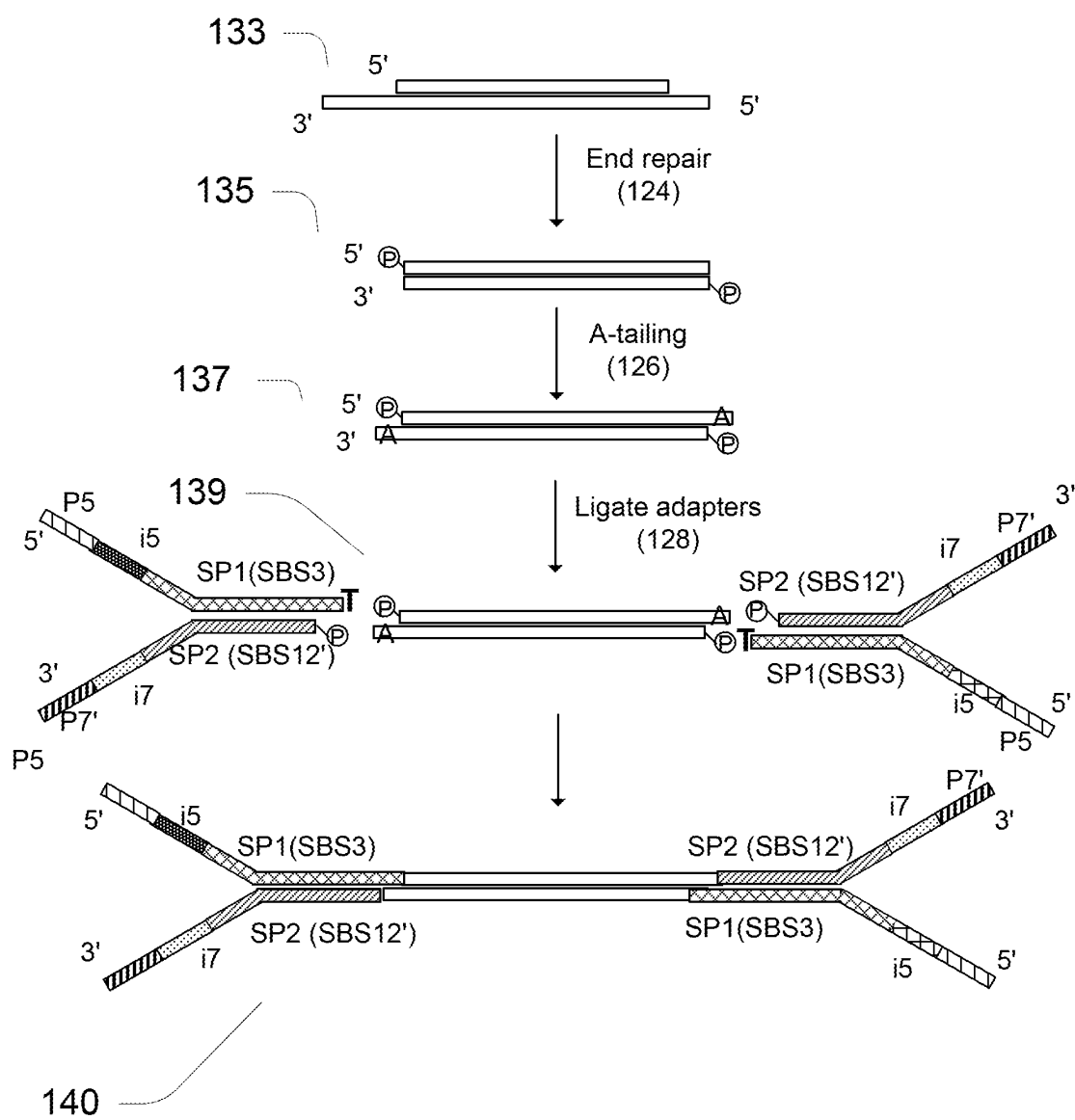
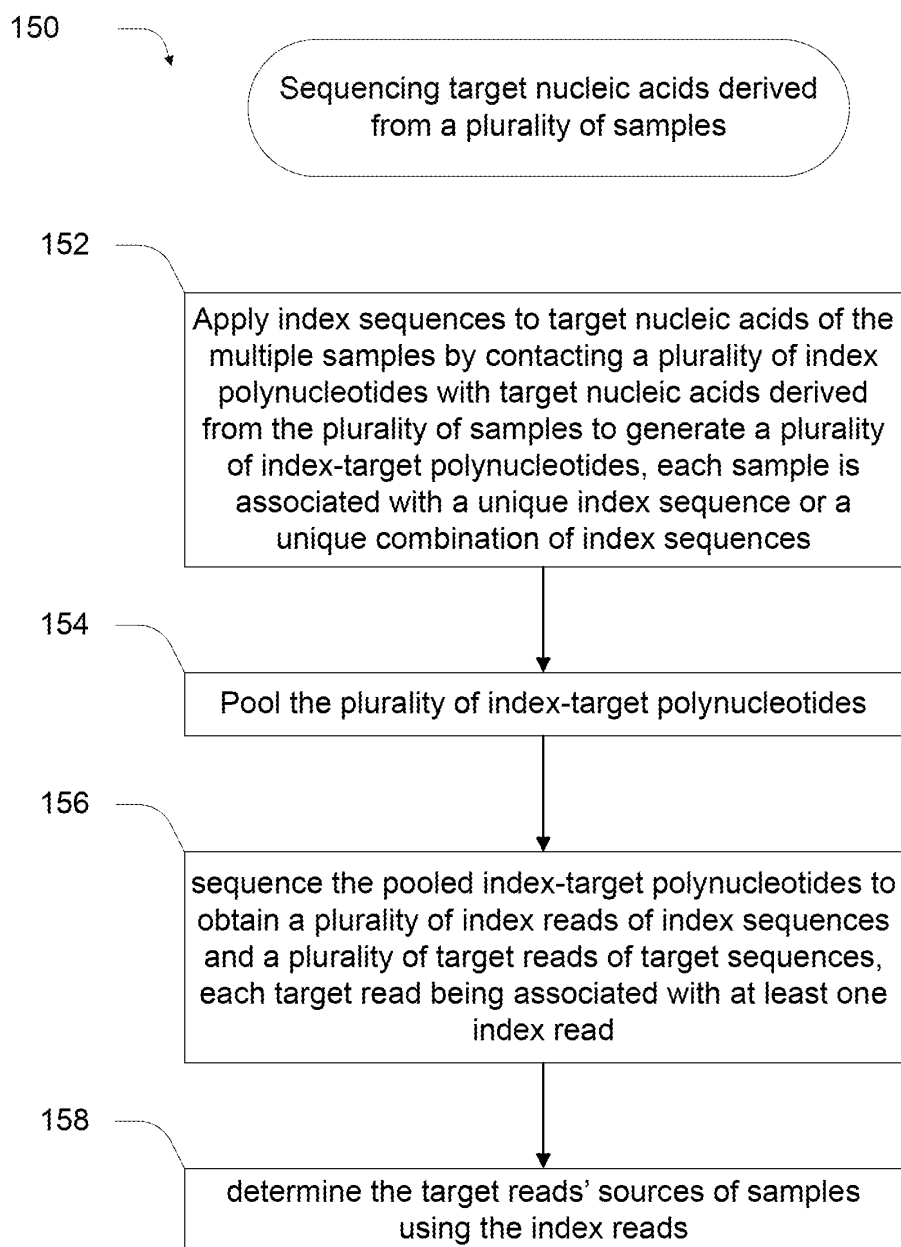


Figure 1C

**Figure 1D**

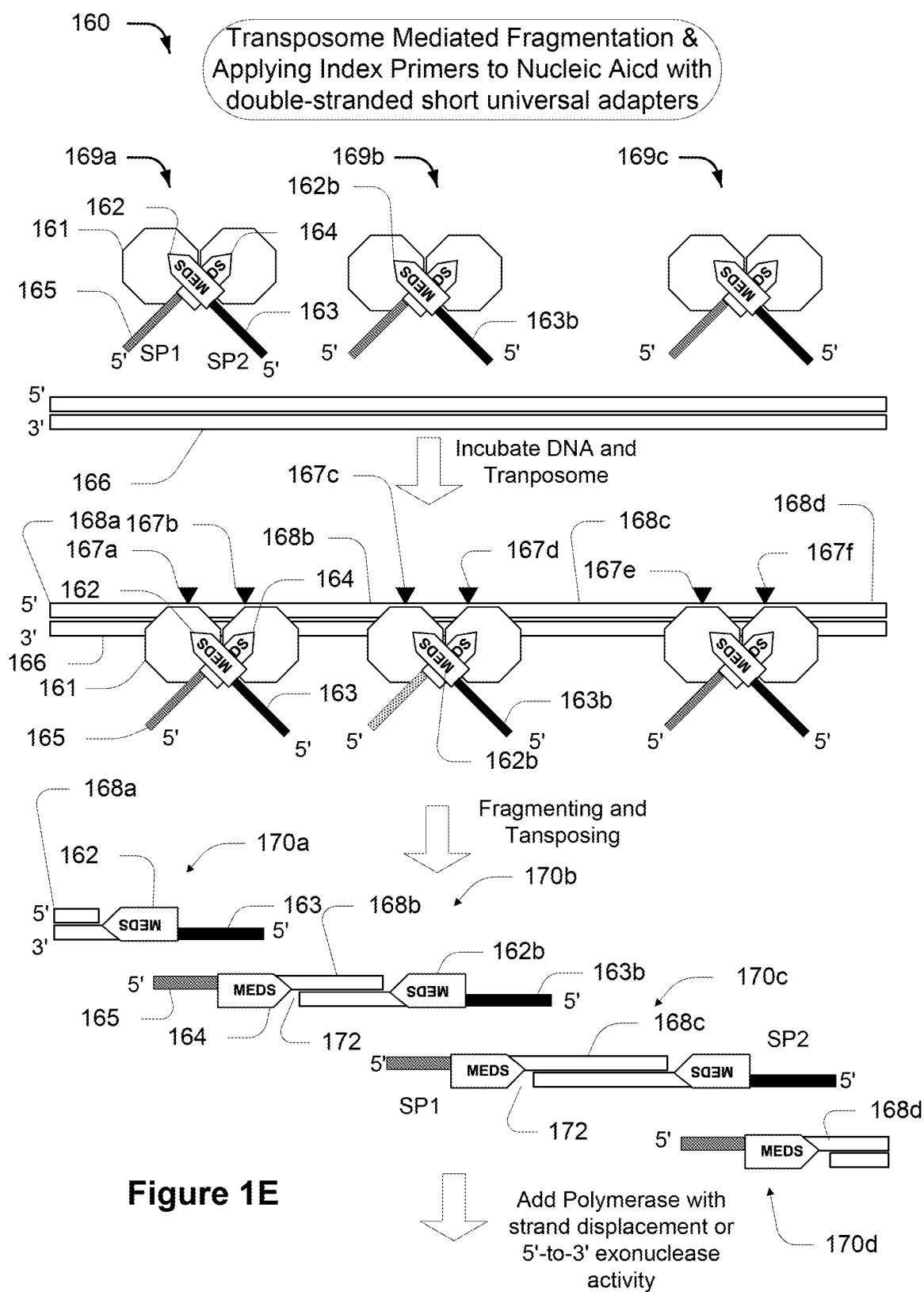


Figure 1E

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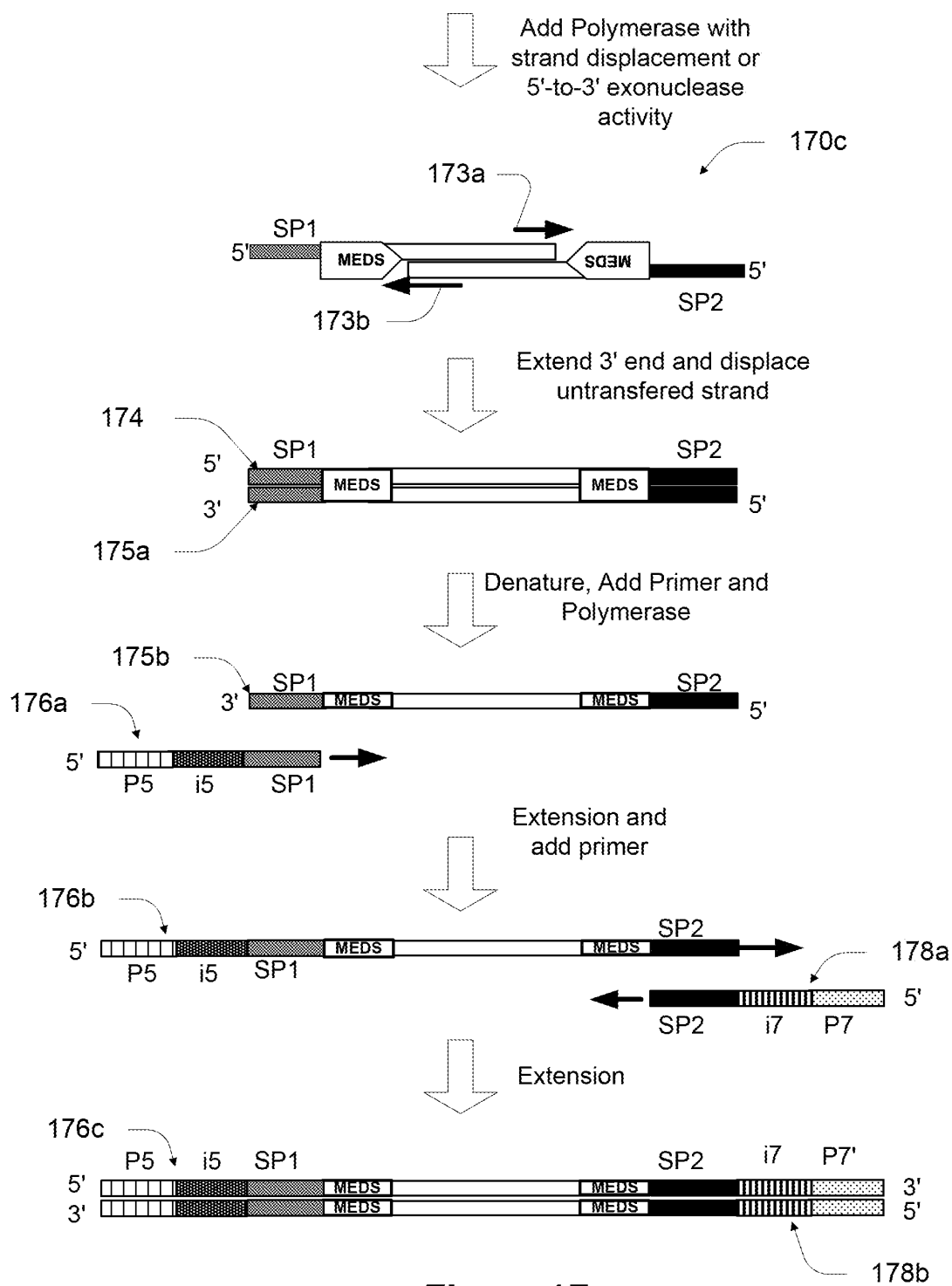


Figure 1F

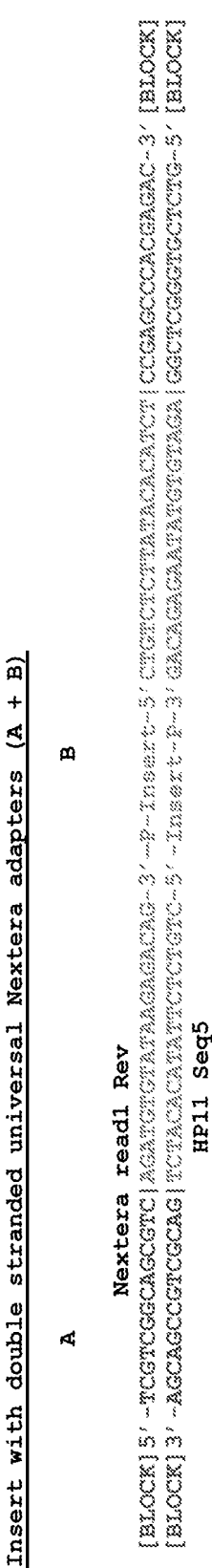


Figure 1G

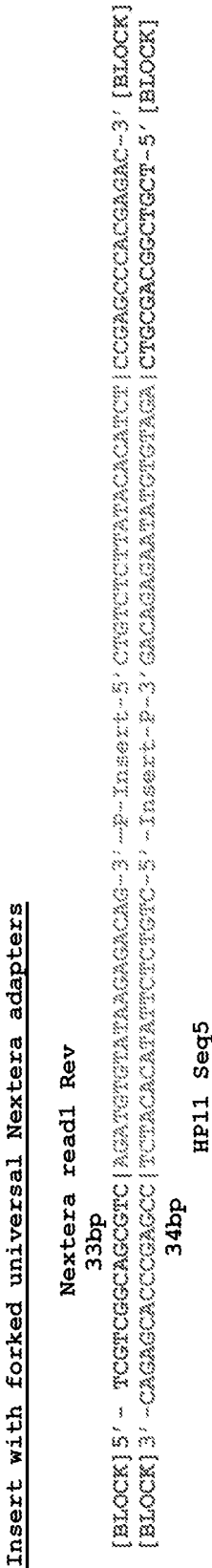


Figure 1H

I7 Index read 1 primer
5' -CAAGCAGACGACCGGCATACGAGAT[i7]GTCGTCGGCTCGG-3'

24(P7)+8(i7)+15 = 47bp

Figure 1I

I5 Index read 2 primer
5' -AATGATACCGGACCCAGATCTACAC[i5]TCGTCGGCAGCGTC-3'

29(P5)+8(i5)+14 = 51bp

Figure 1J

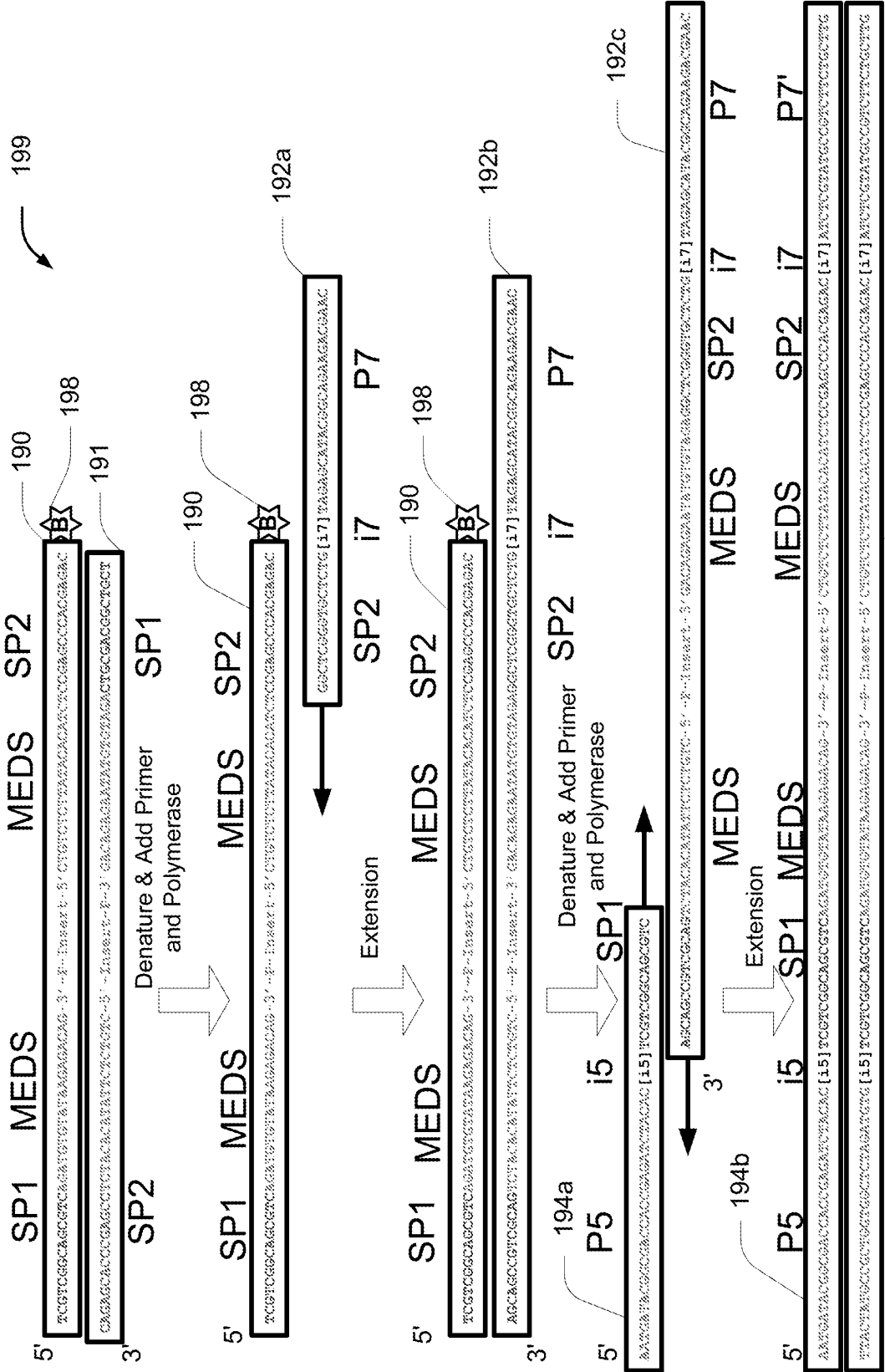


Figure 1K

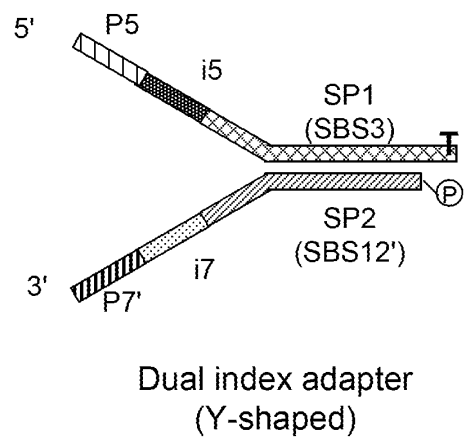


Figure 2A

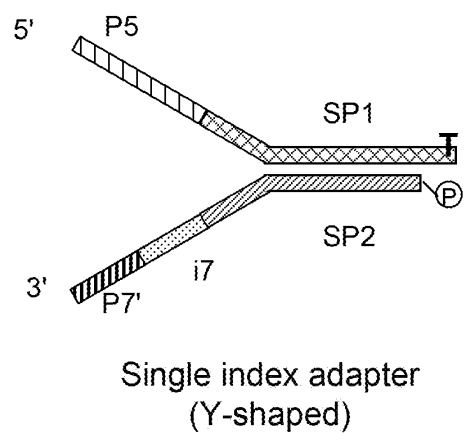
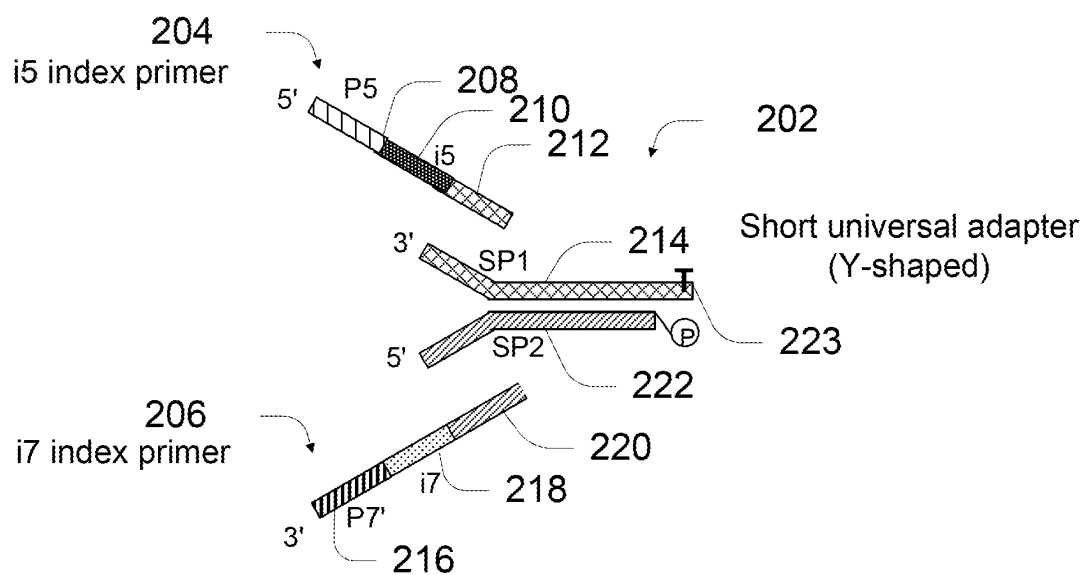
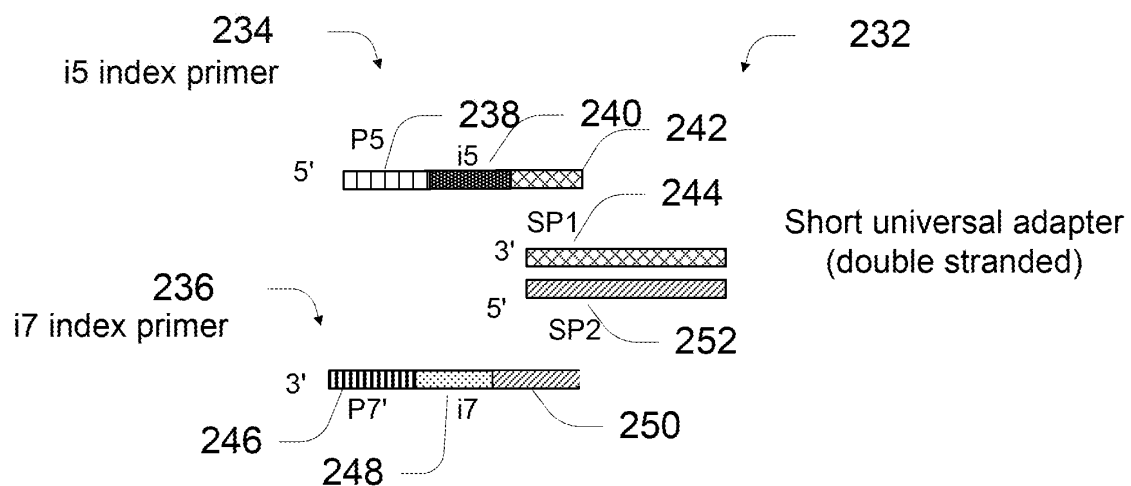


Figure 2B

**Figure 2C****Figure 2D**

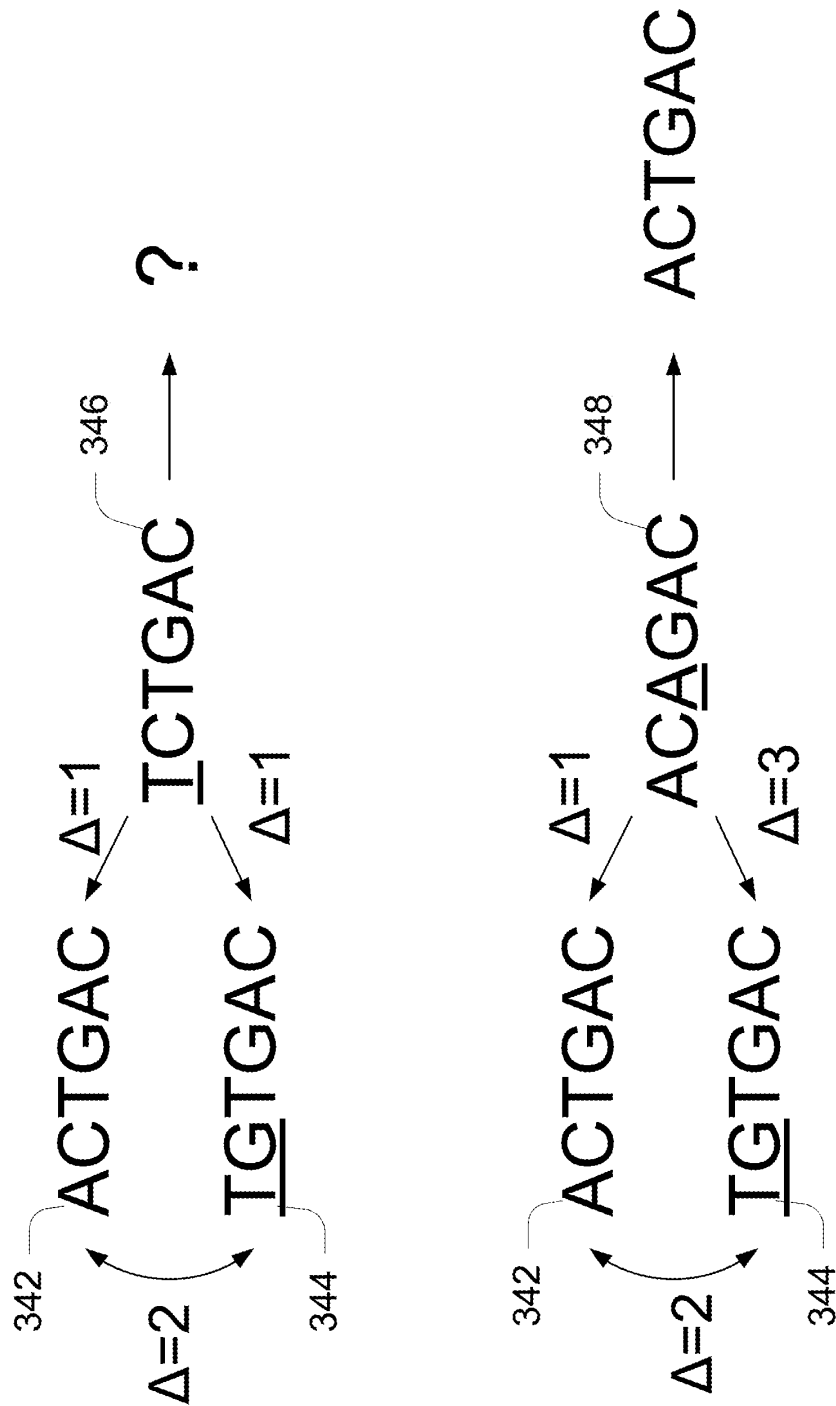


Figure 3

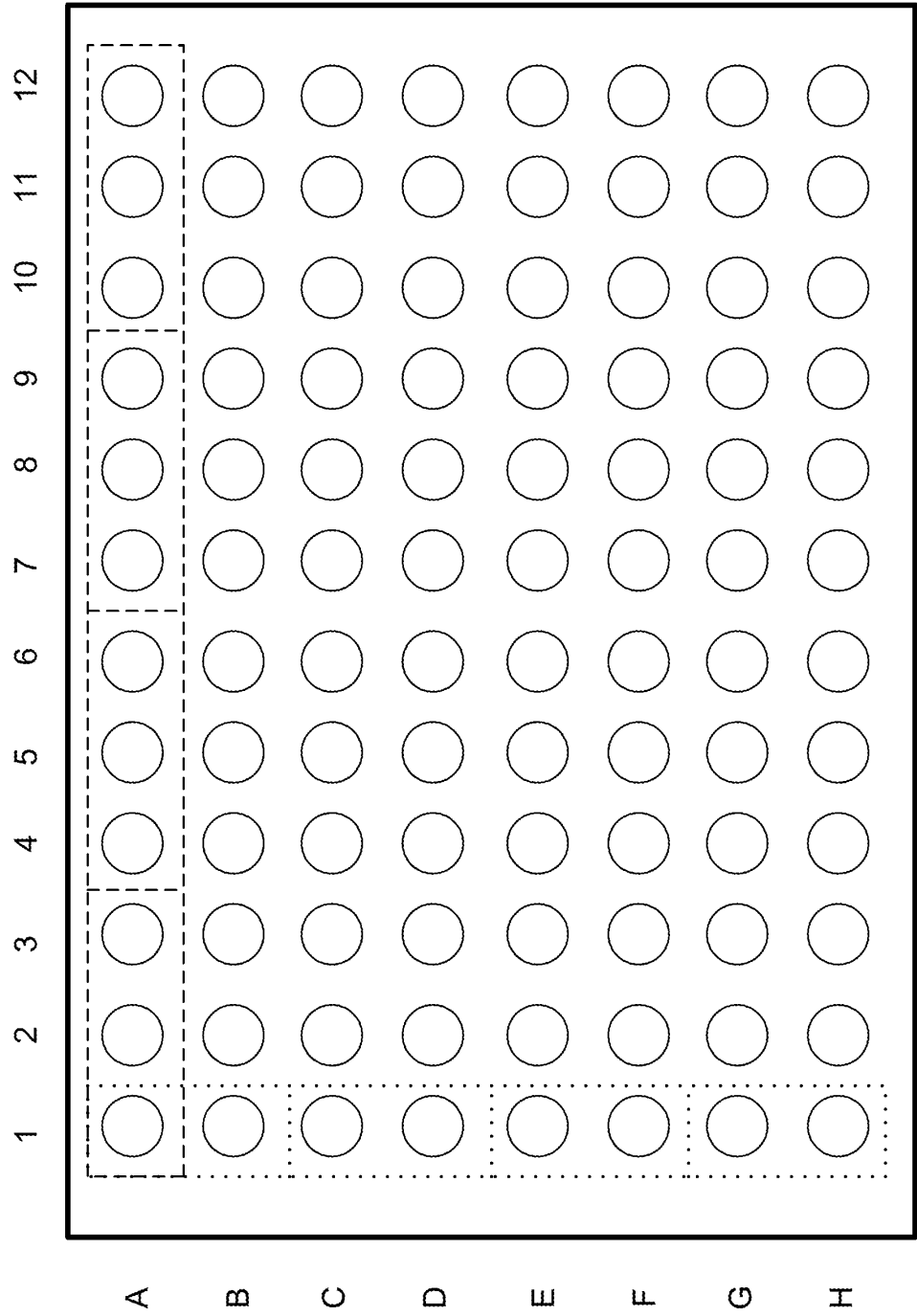


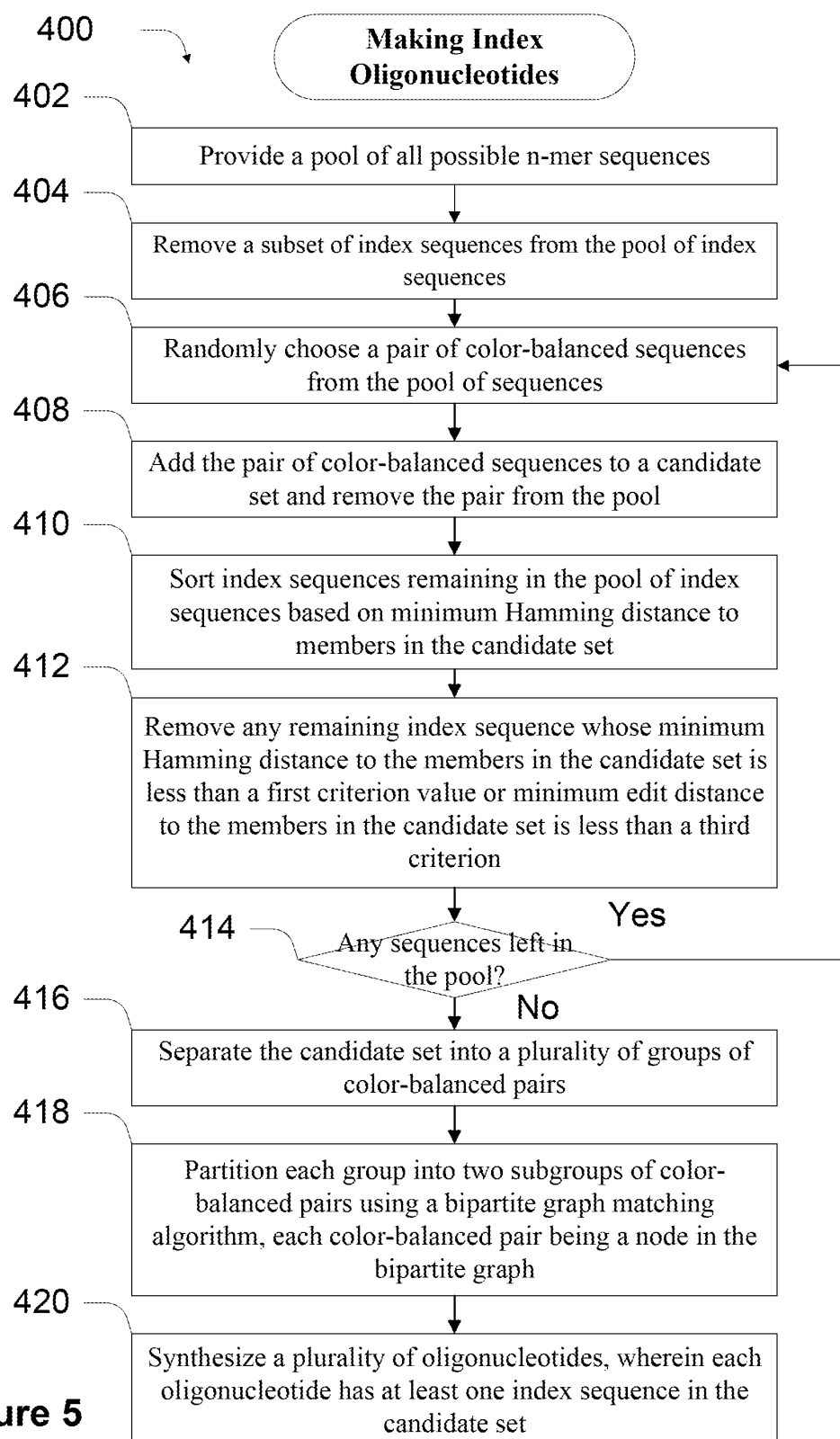
Figure 4A

	1	2	3	4	5	6	7	8	9	10	11	12
A	i501	i502	i503	i504	i505	i506	i501	i502	i503	i504	i505	i506
B	i502	i501	i504	i503	i506	i505	i502	i501	i504	i503	i506	i505
C	i503	i504	i505	i506	i507	i508	i503	i504	i505	i506	i507	i508
D	i504	i503	i506	i505	i508	i507	i504	i503	i506	i505	i508	i507
E	i505	i506	i507	i508	i501	i502	i505	i506	i507	i508	i501	i502
F	i506	i505	i508	i507	i502	i501	i506	i505	i508	i507	i502	i501
G	i507	i508	i501	i502	i503	i504	i507	i508	i501	i502	i503	i504
H	i508	i507	i502	i501	i504	i503	i508	i507	i502	i501	i504	i503

Figure 4B

	1	2	3	4	5	6	7	8	9	10	11	12
A	i701	i705	i702	i703	i706	i704	i708	i709	i707	i711	i710	i712
B	i702	i706	i701	i704	i705	i703	i707	i710	i708	i712	i709	i711
C	i706	i704	i705	i702	i703	i701	i710	i712	i709	i707	i711	i708
D	i705	i703	i706	i701	i704	i702	i709	i711	i710	i708	i712	i707
E	i707	i711	i708	i709	i712	i710	i702	i703	i701	i705	i704	i706
F	i708	i712	i707	i710	i711	i709	i701	i704	i702	i706	i703	i705
G	i712	i710	i711	i708	i709	i707	i704	i706	i703	i701	i705	i702
H	i711	i709	i712	i707	i710	i708	i703	i705	i704	i702	i706	i701

Figure 4C

**Figure 5**

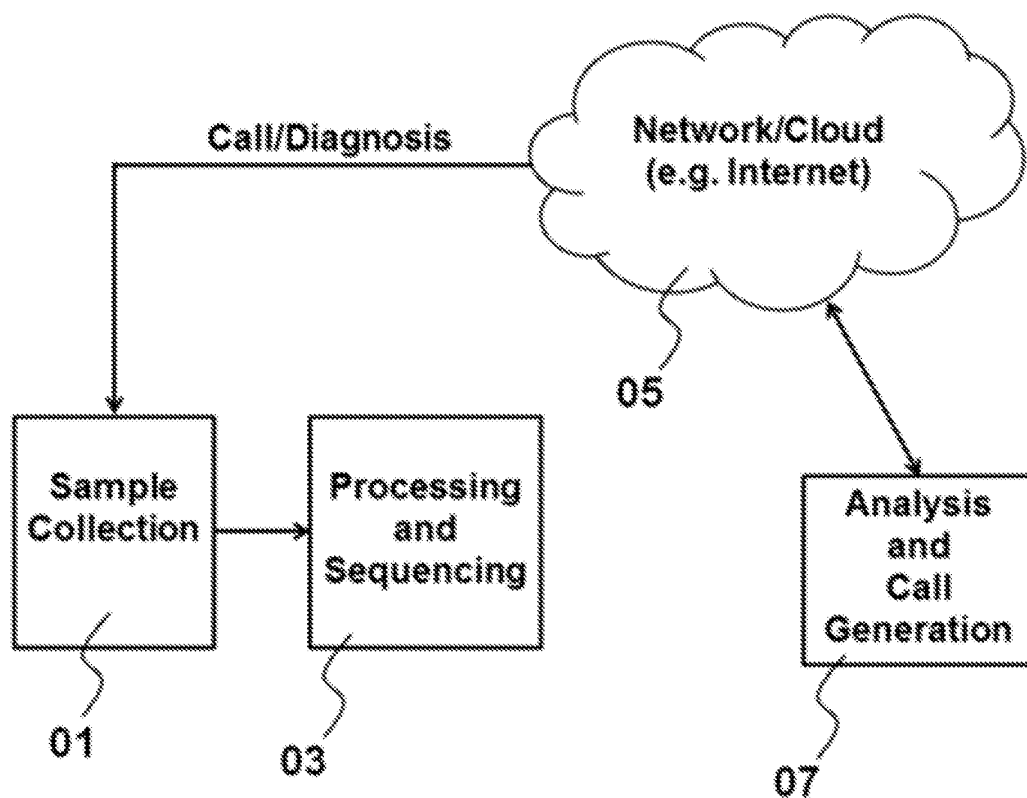
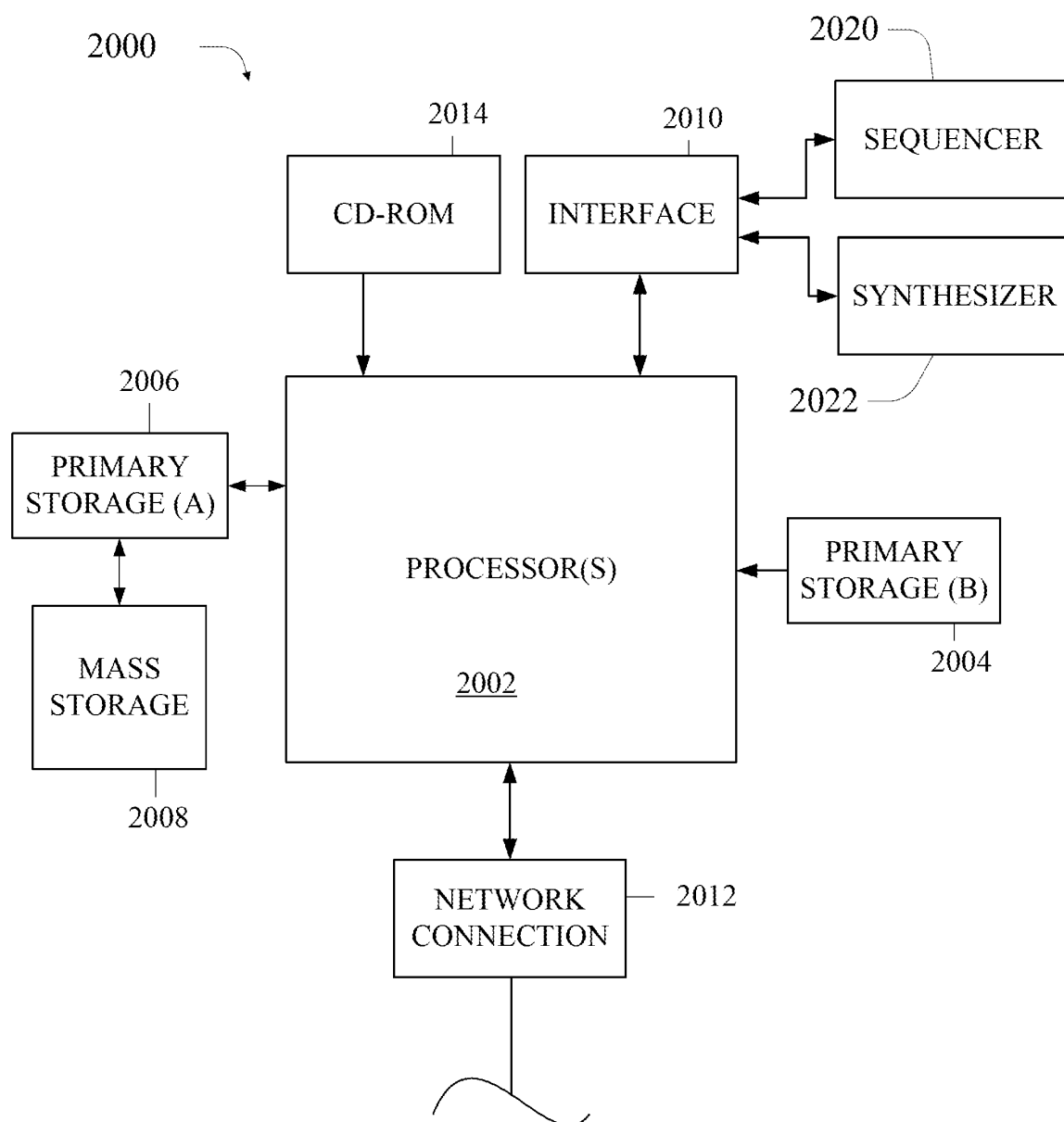


Figure 6

**Figure 7**